## **SIEMENS**

## **Data sheet**

product brand name

## 3RA2434-8XE32-1NB3

star-delta (wye-delta) combination, IO-Link AC-3, 22/30 kW/400 V, 20-33 V AC/DC, 3-pole, size S2, screw terminal electrical and mechanical interlock 3 NO + 3 NC integrated



product brand name	SINIUS			
product designation	Contactor assembly for star-delta (wye-delta) start			
product type designation	3RA24			
manufacturer's article number				
<ul> <li>1 of the supplied contactor</li> </ul>	3RT2035-1NB30-0CC0			
• 2 of the supplied contactor	3RT2035-1NB30			
• 3 of the supplied contactor	3RT2026-1BB40			
<ul> <li>of the supplied RS assembly kit</li> </ul>	3RA2933-2C			
<ul> <li>of the supplied function module for communication</li> </ul>	3RA2711-1CA00			
General technical data				
size of contactor	S2			
product extension auxiliary switch	No			
shock resistance at rectangular impulse				
• at DC	7.7g / 5 ms, 4.5g / 10 ms			
shock resistance with sine pulse				
• at DC	12g / 5 ms, 7g / 10 ms			
mechanical service life (operating cycles)				
of contactor typical	10 000 000			
of the contactor with added auxiliary switch block typical	10 000 000			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	10/01/2014			
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Melamine - 108-78-1			
Weight	4.1 kg			
Ambient conditions				
installation altitude at height above sea level maximum	2 000 m			
ambient temperature				
during operation	-25 +60 °C			
during storage	-55 +80 °C			
Main circuit				
number of poles for main current circuit	3			
number of NO contacts for main contacts	3			
number of NC contacts for main contacts	0			
operating voltage				
• at AC-3 rated value maximum	690 V			
operational current				
• at AC-3				
— at 400 V rated value	65 A			
at 100 V lated value				

SIRIUS

• at AC-3	22 MM			
— at 400 V rated value	22 kW			
operating frequency  • at AC-3 maximum	1 000 1/h			
at AC-3 maximum  Control circuit/ Control	1 000 1/11			
type of voltage of the control supply voltage	AC/DC			
	ACIDO			
control supply voltage 1 at AC  • at 50 Hz	20 33 V			
• at 60 Hz	20 33 V			
control supply voltage 1 at DC	20 33 V			
design of the surge suppressor	with varistor			
apparent pick-up power of magnet coil at AC				
• at 50 Hz	82 VA			
• at 60 Hz	82 VA			
inductive power factor with closing power of the coil				
• at 50 Hz	0.64			
• at 60 Hz	0.5			
apparent holding power of magnet coil at AC				
• at 50 Hz	6 VA			
• at 60 Hz	6 VA			
inductive power factor with the holding power of the coil				
• at 50 Hz	0.36			
• at 60 Hz	0.39			
closing power of magnet coil at DC	28 W			
holding power of magnet coil at DC	4 W			
Auxiliary circuit				
number of NC contacts for auxiliary contacts				
• instantaneous contact	3			
number of NO contacts for auxiliary contacts				
• instantaneous contact	3			
contact reliability of auxiliary contacts	< 7 error per 100 million operating avalog			
contact reliability of auxiliary contacts	< 1 error per 100 million operating cycles			
UL/CSA ratings				
UL/CSA ratings contact rating of auxiliary contacts according to UL	A600 / Q600			
UL/CSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection				
UL/CSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link				
UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit	A600 / Q600			
UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required	GG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A			
UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A			
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General Product Approval		Test Certificates	Marine / Shipping	other			
Approvals Certificates							
product function control circuit interface with IO link	Yes						
protocol is supported AS-Interface protocol	No						
product function bus communication	No						
Communication/ Protocol							
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front						
protection class IP on the front according to IEC 60529	IP20						
Electrical Safety							
product function suitable for safety function	Yes						
Safety related data							
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)						
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)						
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)						
for auxiliary contacts							
type of connectable conductor cross-sections							
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)						
solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)						
• solid	2x (1 35 mm²), 1x (1 50 mm²)						
type of connectable conductor cross-sections for main contacts							
• of magnet coil	Screw-type terminals						
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals						
for auxiliary and control circuit	screw-type terminals						
for main current circuit	screw-type terminals						
type of electrical connection							
onnections/ Terminals							
— at the side	10 mm						
— downwards	10 mm						
— upwards	10 mm						
— backwards	0 mm						







Type Test Certificates/Test Report



Confirmation

Dangerous goods

**Environment** 

**Transport Information** 

Environmental Confirmations

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2434-8XE32-1NB3

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2434-8XE32-1NB3}$ 

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RA2434-8XE32-1NB3

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

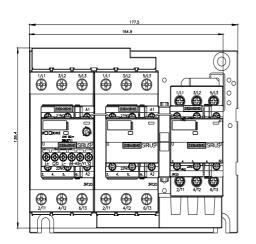
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2434-8XE32-1NB3&lang=en

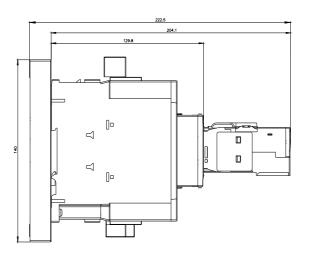
Characteristic: Tripping characteristics, I²t, Let-through current

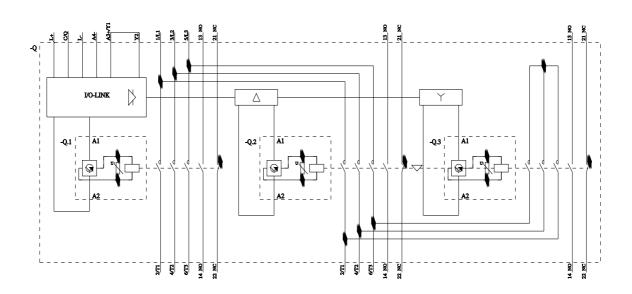
https://support.industry.siemens.com/cs/ww/en/ps/3RA2434-8XE32-1NB3/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2434-8XE32-1NB3&objecttype=14&gridview=view1







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